

IN THE CLAIMS

The following listing of claims replaces all prior claim versions and listings:

Claim 1. (Currently amended) A Compressed image data reproducing apparatus, comprising:

a storage device for memorizing as control data a structure of a data file in which an interval including an intra-coded frame and an inter-coded frame composed using a forward direction prediction from said intra-coded frame or an inter-coded frame at the past time, in a group of pictures (GOP) is variable; and

a system control circuit for executing motion compensation using a time correlation at the time when image data compressed and coded by variable length codes are reproduced, wherein:

a picture search is executed by using said control data;

further comprising:

a first decoder which obtains compressed image data through a bus and decodes obtained compressed image data and outputs decoded data as first reproduced image data;

a second decoder which obtains compressed image data through said bus and decodes obtained compressed image data and outputs decoded data as second reproduced image data; and

a selector which outputs reproduced image data by changing over said first reproduced image data and said second reproduced image data in frame unit time, wherein non-linear editing reproduction is executed by using said reproduced image data outputted from said selector.

Claim 2. (Previously presented) A compressed image data reproducing apparatus in accordance with claim 1, wherein:

said system control circuit reproduces images sequentially at an arbitrary frame point by using plural data files in which said interval emerging said intra-coded frame and said inter-coded frames in said GOP is different and using said control data.

Claim 3. (Cancelled)

Claim 4. (Original) A compressed image data reproducing apparatus in accordance with claim 2, further comprising:

a first decoder which obtains compressed image data through a bus and decodes obtained compressed image data and outputs decoded data as one of reproduced image data;

a second decoder which obtains compressed image data through said bus and decodes obtained compressed image data and outputs decoded data as the other reproduced image data; and

a selector which outputs reproduced image data by changing over said one of reproduced image data and said other reproduced image data in a frame unit time, wherein non-linear editing reproduction is executed by using said reproduced image data outputted from said selector.

Claim 5. Cancelled

Claim 6. Cancelled

Claim 7. (Currently Amended) A compressed image data reproducing method comprising the steps of:

memorizing as control data a structure of a data file in which an interval including an intra-coded frame and an inter-coded frame composed using a forward direction prediction from said intra-coded frame or an inter-coded frame at the past time, in a GOP is variable; and

controlling a system for executing motion compensation using a time correlation at the time when image data compressed and coded by variable length codes are reproduced, wherein:

a picture search is executed by using said control data,

wherein said controlling step reproduces images sequentially at an arbitrary frame point by using plural data files in which said interval emerging said intra-coded frame and said inter-coded frames in said GOP is different and using said control data;

further comprising steps of:

a first decoding for obtaining compressed image data through a bus and decoding obtained compressed image data and outputting decoded data as first reproduced image data;

a second decoding for obtaining compressed image data through said bus and decoding obtained compressed image data and outputting decoded data as second reproduced image data; and

selecting one of said first reproduced image data and said second reproduced image data and outputting said reproduced image data by changing over said one of reproduced image data and said other reproduced image data in a frame unit time,

wherein non-linear editing reproduction is executed by using said reproduced image data outputted from said selecting step.

Claim 8. (Cancelled)

Claim 9. (Original) A compressed image data reproducing method in accordance with claim 7, further comprising the steps of:

a first decoding for obtaining compressed image data through a bus and decoding obtained compressed image data and outputting decoded data as one of reproduced image data;

a second decoding for obtaining compressed image data through said bus and decoding obtained compressed image data and outputting decoded data as the other reproduced image data; and

selecting either one of said reproduced image data and outputting said reproduced image data by changing over said one of reproduced image data and said other reproduced image data in a frame unit time, wherein

non-linear editing reproduction is executed by using said reproduced image data outputted from said selecting step.

Claim 10. (Cancelled)

Claim 11. (Previously presented) A compressed image data reproducing apparatus, comprising:

- a first decoder for acquiring compressed image data from a storage device, performing a decode process and outputting a first reproduction image data;
- a second decoder for acquiring compressed image data from a storage device, performing a decode process and outputting a second reproduction image data;
- a selector for selecting an output between said first reproduction image data and said second reproduction image data; and
- a system control circuit for controlling said first decoder, said second decoder and said selector.

Claim 12. (Previously presented) The compressed image data reproducing apparatus as claimed in claim 11, wherein said system control circuit controls said first decoder, said second decoder and said selector in reference to control data, which is stored in said storage device, of compressed image data.

Claim 13. (Previously presented) The compressed image data reproducing apparatus as claimed in claim 12, wherein said control data holds a data file structure which has a variable interval between an intra-coded frame and an inter-coded frame.

Claim 14. (Previously presented) A compressed image data reproducing method, comprising the steps of:

outputting reproduction image data from multiple decoders which independently decode compressed image data acquired from a storage device;
selecting an output between said first reproduction image data and said second reproduction image data,
wherein outputting reproduction image data and selecting an output are controlled by a system control circuit.

Claim 15. (Previously presented) The compressed image data reproducing method as claimed in claim 14, wherein said system control circuit refers to control data, which is stored in a storage device, of compressed image data.

Claim 16. (Previously presented) The compressed image data reproducing method as claimed in claim 15, wherein said control data holds a data file structure which has a variable interval between an intra-coded frame and an inter-coded frame.